

Title (en)
RECOVERING ENCRYPTED TRANSACTION INFORMATION IN BLOCKCHAIN CONFIDENTIAL TRANSACTIONS

Title (de)
RÜCKGEWINNUNG VERSCHLÜSSELTER TRANSAKTIONSINFORMATIONEN IN VERTRAULICHEN BLOCKKETTENTRANSAKTIONEN

Title (fr)
RÉCUPÉRATION D'INFORMATION DE TRANSACTION CHIFFRÉE DANS DES TRANSACTIONS CONFIDENTIELLES DE CHAÎNE DE BLOCS

Publication
EP 3549306 A2 20191009 (EN)

Application
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Priority
CN 2018114322 W 20181107

Abstract (en)
[origin: WO2019072262A2] Implementations of the present disclosure include obtaining a secret key, by a client node, according to a threshold secret sharing scheme agreed to by a number of client nodes; generating one or more commitment values of a confidential transaction of the client node by applying a cryptographic commitment scheme to transaction data; generating encrypted transaction information of the confidential transaction by encrypting the transaction data using the secret key; and transmitting, to a consensus node of a blockchain network, a content of the confidential transaction for execution, wherein the content of the confidential transaction includes: the one or more commitment values; the encrypted transaction information; and one or more zero-knowledge proofs of the transaction data.

IPC 8 full level
H04L 9/14 (2006.01)

CPC (source: EP KR RU US)
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